

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L2    | 2    | "6037837".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 07:42 |
| L3    | 8    | amplifier same parallel same<br>("feed-forward" adj2 (circuit))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 07:45 |
| L4    | 50   | amplifier near3 ("feed-forward"<br>adj2 (circuit))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 07:54 |
| L5    | 2    | (amplifier near3 ("feed-forward"<br>adj2 (element or block))) near3<br>parallel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 08:10 |
| L6    | 3    | ("20040051508"   "5648718"  <br>"5850139").PN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/10/26 07:55 |
| L7    | 3    | ("6842068").URPN.   | USPAT   | OR               | OFF     | 2006/10/26 07:56 |
| L8    | 0    | ((amplifier adj2 source) near3<br>("feed-forward" adj2 (element or<br>block))) near3 parallel   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 08:10 |
| L9    | 0    | ((amplifier adj2 input) near3<br>("feed-forward" adj2 (element or<br>block))) near3 parallel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 08:11 |
| L10   | 0    | ((amplifier near3 source) near3<br>("feed-forward" adj2 (element or<br>block))) near3 parallel  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/10/26 08:11 |
| S1    | 0    | black-william-c.in. and ((distortion<br>or noise or effects or interference)<br>near3 (transmission adj2 line))<br>near2 connector\$1 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/12/14 09:03 |

## EAST Search History

|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S2  | 0   | black-william-c.in. and ((distortion or noise or effects or interference) near3 (transmission adj2 line))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:34 |
| S3  | 3   | xilinx.as. and ((distortion or noise or effects or interference) near3 (transmission adj2 line))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:35 |
| S4  | 12  | 375/296.ccls. and ((distortion or noise or effects or interference) near3 (transmission adj2 line))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:37 |
| S5  | 0   | S4 and (amplifier near impedance) and (feed adj2 forward)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:48 |
| S6  | 1   | S4 and (feed adj2 forward)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:39 |
| S7  | 1   | 375/296.ccls. and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:39 |
| S8  | 0   | S7 and (feed adj2 forward)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S9  | 0   | S7 and (amplifier near impedance)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S10 | 516 | ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line)))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:52 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S11 | 0   | S10 and (amplifier near impedance) and (feed adj2 forward)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S12 | 3   | S10 and (feed adj2 forward)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:19 |
| S13 | 0   | S12 and (amplifier near impedance)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S14 | 0   | S12 and (amplif\$3 near impedance)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S15 | 0   | S12 and (amplif\$8 near impedance)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:40 |
| S16 | 1   | S12 and (amplif\$8 and impedance)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:18 |
| S17 | 596 | (transmission adj2 characteristic\$1) near3 (transmission adj2 line) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:48 |
| S18 | 0   | S17 and (amplifier near impedance) and (feed adj2 forward)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:49 |
| S19 | 5   | S17 and (amplifier and impedance) and (feed adj2 forward)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:50 |
| S20 | 7   | (transmission adj2 line) with (feed adj2 forward adj2 amplifier)     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 11:19 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S21 | 0  | S20 and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:37 |
| S22 | 0  | S20 and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission )))          | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:18 |
| S23 | 4  | S20 and impedance   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 09:55 |
| S24 | 0  | "3980826".pn. and amplifier   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:36 |
| S25 | 1  | "3763437".pn. and data  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 12:40 |
| S26 | 0  | ("3886470".pn. "3763437".pn. "3980826".pn.) and board   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 12:43 |
| S27 | 1  | ("3886470".pn. "3763437".pn. "3980826".pn.) and (integrated adj2 circuit)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 12:43 |
| S28 | 1  | S12 and (amplif\$8 and impedance) and capacit\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:20 |
| S29 | 79 | S17 and (amplif\$8 and impedance) and capacit\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:19 |

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|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S30 | 29 | S17 and (amplif\$8 with impedance) and capacit\$6   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:19 |
| S31 | 0  | S30 and (feed adj2 forward)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:46 |
| S32 | 2  | S20 and (amplif\$8 and impedance) and capacit\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:38 |
| S33 | 3  | 330/149-165.ccls. and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:51 |
| S34 | 1  | S33 and (amplif\$8 and impedance) and capacit\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:46 |
| S35 | 0  | S34 and (feed adj2 forward)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:46 |
| S36 | 1  | S33 and (feed adj2 forward)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:50 |
| S37 | 0  | S36 and (amplif\$8 and impedance) and capacit\$6  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:46 |
| S38 | 1  | 330/117.ccls. and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line)))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/06 13:51 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S39 | 7    | (transmission adj2 line) with (feed adj2 forward adj2 amplifier)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:10 |
| S40 | 0    | S39 and (capacitor near3 (data near3 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:13 |
| S41 | 0    | "330".ccls. and (feed adj2 forward adj2 amplifier) same (capacitor near3 (data near3 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:16 |
| S42 | 0    | "330".ccls. and (feed adj2 forward adj2 amplifier) and (capacitor near3 (data near3 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:16 |
| S43 | 0    | (feed adj2 forward adj2 amplifier) and (capacitor near3 (data near3 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:16 |
| S44 | 0    | (feed adj2 forward ) and (capacitor near3 (data near3 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:16 |
| S45 | 0    | (feed adj2 forward ) and (capacitor near3 (data adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:17 |
| S46 | 3    | (transmission adj2 line ) and (capacitor near3 (data adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:18 |
| S47 | 4031 | ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission ))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:20 |
| S48 | 17   | S47 and (capacit\$5 near3 (data adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:20 |

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|     |     |   |   |    |     |                  |
|-----|-----|---|---|----|-----|------------------|
| S49 | 0   | S48 and (feed adj2 forward)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:19 |
| S50 | 9   | S48 and @ad<"20011120"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:25 |
| S51 | 517 | ((compensat\$3 or eliminat\$3 or<br>decreas\$3 or minimiz\$6 or<br>mitigat\$3) near3 ((distortion or<br>noise or effects or interference)<br>near3 (transmission adj2 line )))            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:21 |
| S52 | 0   | S51 and (capacit\$5 near3 (data<br>adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:20 |
| S53 | 0   | "330".ccls. and (capacit\$5 near3<br>(data adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:20 |
| S54 | 6   | 375/296.ccls. and (capacit\$5<br>near3 (data adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:22 |
| S55 | 0   | S54 and ((compensat\$3 or<br>eliminat\$3 or decreas\$3 or<br>minimiz\$6 or mitigat\$3) near3<br>((distortion or noise or effects or<br>interference) near3 (transmission<br>adj2 line ))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:30 |
| S56 | 0   | S54 and (transmission adj2 line<br>adj2 (effect\$1 or distortion or<br>noise or interference))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:21 |
| S57 | 1   | S54 and (transmission adj2 line )   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:23 |

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|     |      |  |   |    |     |                  |
|-----|------|--|---|----|-----|------------------|
| S58 | 0    | 375/296.ccls. and (capacitor near3 (data adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:22 |
| S59 | 0    | 375/296.ccls. and (capacitance near3 (data adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:22 |
| S60 | 2    | "375"/.ccls. and (capacitor near3 (data adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:23 |
| S61 | 0    | S60 and (transmission adj2 line )  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:23 |
| S62 | 4804 | (transmission adj2 line ) with capacitor   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:23 |
| S63 | 1    | S62 and (capacitor near3 (data adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:25 |
| S64 | 16   | S62 and (capacitor near3 (data adj2 transmission))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:30 |
| S65 | 13   | S64 and @ad<"20011120"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:25 |
| S66 | 0    | S65 and ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line ))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:30 |



## EAST Search History

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S67 | 517 | ((compensat\$3 or eliminat\$3 or decreas\$3 or minimiz\$6 or mitigat\$3) near3 ((distortion or noise or effects or interference) near3 (transmission adj2 line ))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:30 |
| S68 | 0   | S67 and (capacitor near3 (data adj2 transmission))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:31 |
| S69 | 1   | S67 and (capacitance near3 (data adj2 transmission))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:33 |
| S70 | 0   | S67 and (capacitance near3 (data adj2 transmission adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:41 |
| S71 | 0   | S67 and (capacitance near3 (data adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:40 |
| S72 | 0   | ("3980826".pn. "3763437".pn. "3281707".pn. "3886470".pn.) and rate   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:41 |
| S73 | 10  | (capacitance near3 (data adj2 transmission adj2 rate))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:42 |
| S74 | 20  | (capacitance with (data adj2 transmission adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:42 |
| S75 | 0   | S74 and (feed adj2 forward)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:42 |
| S76 | 0   | S74 and (transmission adj2 characteristic\$1)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:43 |

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|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S77 | 7   | S74 and (transmission adj2 line)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:45 |
| S78 | 0   | S74 and (transmission adj2 line<br>adj2 distortion)                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:46 |
| S79 | 264 | (transmission adj2 line adj2<br>distortion)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 11:46 |
| S80 | 2   | S79 and (capacitance and (data<br>adj2 transmission adj2 rate))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:36 |
| S81 | 2   | "3980826".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:36 |
| S82 | 1   | 375/258.ccls. and (capacitance<br>and (data adj2 transmission adj2<br>rate))       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:37 |
| S83 | 0   | 375/258.ccls. and (capacitance<br>with (data adj2 transmission adj2<br>rate))      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:37 |
| S84 | 0   | 375/258.ccls. and (capacitance<br>near3 (data adj2 transmission adj2<br>rate))     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:38 |
| S85 | 2   | 375/254-296.ccls. and<br>(capacitance near3 (data adj2<br>transmission adj2 rate)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:39 |
| S86 | 16  | 375/254-296.ccls. and<br>(transmission adj2 line adj2<br>distortion)               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:40 |

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|     |      |   |   |    |     |                  |
|-----|------|---|---|----|-----|------------------|
| S87 | 0    | S86 and (capacitance near3 (data adj2 transmission adj2 rate))                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:41 |
| S88 | 2    | S86 and (capacitance and (data adj2 transmission adj2 rate))                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:39 |
| S89 | 1784 | (line adj2 distortion)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:40 |
| S90 | 0    | S89 and (capacitance near3 (data adj2 transmission adj2 rate))                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:40 |
| S91 | 0    | S89 and (capacitance near3 (transmission adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:40 |
| S92 | 0    | S86 and (capacitance near3 (transmission adj2 rate))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/07/07 12:41 |
| S93 | 0    | black-william-c.in. and ((feed adj2 forward near3 amplifier) and (switch\$3 adj2 capacitor\$1))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:04 |
| S94 | 0    | black-william-c.in. and (((feed adj2 forward) near3 amplifier) and (switch\$3 adj2 capacitor\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:05 |
| S95 | 41   | ((((feed adj2 forward) near3 amplifier) and (switch\$3 adj2 capacitor\$1))                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:05 |
| S96 | 4    | S95 and ((parallel or cascaded\$3) near3 (switch\$3 adj2 capacitor\$1))                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:27 |

## EAST Search History

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S97      | 0   | S96 and (select\$3 near3 (switch\$3 adj2 capacitor\$1))                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14.09:26 |
| S98      | 700 | (select\$3 near3 (switch\$3 adj2 capacitor\$1))                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:29 |
| S99      | 26  | S98 and ((switch\$3 adj2 capacitor\$1) near3 series near3 capacitor)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:27 |
| S10<br>0 | 6   | S99 and ((parallel or cascad\$3) near3 (switch\$3 adj2 capacitor\$1))               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:41 |
| S10<br>1 | 6   | S100 and (select\$3 near3 (switch\$3 adj2 capacitor\$1))                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:51 |
| S10<br>2 | 11  | 327/554.ccls. and (select\$3 near3 (switch\$3 adj2 capacitor\$1))                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:41 |
| S10<br>3 | 2   | S102 and ((parallel or cascad\$3) near3 (switch\$3 adj2 capacitor\$1))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 10:40 |
| S10<br>4 | 4   | 375/258-296.ccls. and ((parallel or cascad\$3) near3 (switch\$3 adj2 capacitor\$1)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:51 |
| S10<br>5 | 0   | S104 and (select\$3 near3 (switch\$3 adj2 capacitor\$1))                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:52 |
| S10<br>6 | 29  | 330/53-149.ccls. and ((parallel or cascad\$3) near3 (switch\$3 adj2 capacitor\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:52 |

## EAST Search History

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S10<br>7 | 4   | S106 and (select\$3 near3 (switch\$3 adj2 capacitor\$1))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:54 |
| S10<br>8 | 0   | S106 and ((select\$3 near3 (switch\$3 adj2 capacitor\$1)) near3 (need\$3 near3 (capacitance adj2 value)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:55 |
| S10<br>9 | 0   | (amplifier and ((feed adj2 forward adj2 circuit) near3 (parallel or cascaded\$3) near3 amplifier) and ((plurality or multiple or two or many) adj2 switch\$3 adj2 capacitance\$1) and (select\$4 near3 (switch\$3 adj2 capacitance\$1))).clm. | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 09:58 |
| S11<br>0 | 22  | ((feed adj2 forward) near3 (parallel or cascaded\$3) near3 amplifier)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 10:03 |
| S11<br>1 | 16  | ((feed adj2 forward) near3 (parallel ) near3 amplifier)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 12:10 |
| S11<br>2 | 2   | ((feed adj2 forward adj2 circuit) near3 (parallel ) near3 amplifier)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 10:03 |
| S11<br>3 | 2   | ((feed adj2 forward adj2 (circuit or module)) near3 (parallel ) near3 amplifier)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 10:04 |
| S11<br>4 | 25  | (select\$3 near3 ((parallel or cascaded\$3) near3 (switch\$3 adj2 capacitor\$1)))   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 10:50 |
| S11<br>5 | 104 | (first adj2 device) near3 amplifier near3 (second adj2 (device or circuit or system or network))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 11:37 |

## EAST Search History

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S11<br>6 | 867 | (first adj2 (device or circuit or system or network)) near3 amplifier near3 (second adj2 (device or circuit or system or network)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 11:37 |
| S11<br>7 | 47  | S116 and ((amplifier adj2 input) near3 (output near3 (second adj2 (device or circuit or system or network))))                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 11:39 |
| S11<br>8 | 4   | S117 and ((amplifier adj2 output) near3 (input near3 (first adj2 (device or circuit or system or network))))                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 11:40 |
| S11<br>9 | 0   | S118 and ((feed adj2 forward) near3 (parallel ) near3 amplifier)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/14 12:10 |
| S12<br>0 | 0   | "5914633".pn. and (output near3 impedance)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:07 |
| S12<br>1 | 0   | (parallel near3 (switch\$3 adj2 capacit\$4)) near3 (output near3 impedance)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:07 |
| S12<br>2 | 13  | (parallel near3 (switch\$3 adj2 capacit\$4)) same (output near3 impedance)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:09 |
| S12<br>3 | 12  | (select\$4 near3 (switch\$3 adj2 capacit\$4)) same (output near3 impedance)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:16 |
| S12<br>4 | 496 | (select\$4 near3 (capacit\$4)) same (output near3 impedance)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:15 |
| S12<br>5 | 47  | S124 and (capacit\$4 near3 (switch\$3 adj2 capacit\$4))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 10:17 |

## EAST Search History

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S12<br>6 | 5   | S125 and (parallel near3 (switch\$3<br>adj2 capacit\$4)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 16:51 |
| S12<br>7 | 0   | "5493246".pn. and resistor                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 16:53 |
| S12<br>8 | 2   | "3763437".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 17:18 |
| S12<br>9 | 3   | "3886470".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/12/21 17:19 |
| S13<br>0 | 4   | "3939437".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/10 11:57 |
| S13<br>1 | 3   | "3763437".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/10 12:13 |
| S13<br>2 | 207 | (feed adj2 forward) same parallel<br>same amplifier      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/10 12:05 |
| S13<br>3 | 110 | S132 and capacitor\$1                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/10 12:06 |
| S13<br>4 | 19  | S133 and (switch\$3 adj2<br>capacitor\$1)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/10 12:06 |
| S13<br>5 | 2   | "5493246".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 14:44 |

## EAST Search History

|          |        |   |   |    |     |                  |
|----------|--------|---|---|----|-----|------------------|
| S13<br>6 | 132164 | ((rotat\$3 or flip\$4) near3<br>signal\$1)                                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/17 15:44 |
| S13<br>7 | 46     | S136 and (self adj2 correlat\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/17 15:48 |
| S13<br>8 | 1      | S137 and spur   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/17 15:49 |
| S13<br>9 | 1181   | S136 and spur   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/05/17 15:49 |
| S14<br>0 | 2      | "5440256".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 14:57 |
| S14<br>1 | 5      | amplifier near3 ("feed-forward")<br>near3 (source or begin\$4)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 14:50 |
| S14<br>2 | 13     | amplifier near3 ("feed-forward")<br>near3 parallel                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 14:54 |
| S14<br>3 | 15     | amplifier near3 parallel near3<br>("feed-forward")                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 14:55 |
| S14<br>4 | 2      | amplifier near3 parallel near3<br>("feed-forward" adj2 (circuit or<br>network)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 16:10 |
| S14<br>5 | 1      | S140 and (amplifier near3 (source<br>or input or beginning))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 16:10 |



## EAST Search History

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S14<br>6 | 4   | ("4728811"   "4922130"  <br>"5124576"   "5315170").PN.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | OFF | 2006/10/25 14:59 |
| S14<br>7 | 2   | ("5440256").URPN.  | USPAT   | OR | OFF | 2006/10/25 14:59 |
| S14<br>8 | 313 | 375/296.ccls. and (amplifier near3<br>(source or input or beginning))                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 16:10 |
| S14<br>9 | 0   | S148 and (amplifier near3 parallel<br>near3 ("feed-forward" adj2 (circuit<br>or network)))         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 16:11 |
| S15<br>0 | 0   | "375"/.ccls. and (amplifier near3<br>parallel near3 ("feed-forward" adj2<br>(circuit or network))) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/25 16:12 |
| S15<br>1 | 10  | (amplifier same parallel same<br>("feed-forward" adj2 (circuit or<br>network)))                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/10/26 07:44 |